



APEX PUBLIC SCHOOL

CLASS VIII

SESSION 2025-26

HOLIDAY HOMEWORK

ENGLISH

1. Model Activity:

"Build the Wall, Break the Barrier" – A Creative Exploration of Mending Wall.

Title: "The Wall of Thoughts" – A 3D Model & Reflection Journal

Build the Wall (Craftwork)

Create a small model of a wall using cardboard, clay bricks, or paper blocks.

On each brick, write a line from the poem or a real-life "barrier" (e.g., language, gender, class, culture).

Decorate the area around the wall to reflect two different sides – one side showing isolation, the other showing connection.

2. Timeline of My Life (So Far)

Materials: Chart paper, markers, sticky notes

Activity: Create a timeline of key moments in their life—birthdays, achievements, challenges, meaningful events.

Purpose: Helps them reflect on how they are "living their dash" already.

(Related to "The Dash" Poem)

3. Research & Reflect:

i) Task: Read about Anshu Gupta and Goonj's initiatives such as "Cloth for Work" and "Not Just a Piece of Cloth".

Guiding Questions:

What inspired Anshu Gupta to start Goonj?

How does Goonj ensure dignity in its charitable activities?

What impact have Goonj's initiatives had on rural communities?

ii) Creative Expression: Essay Writing

Write an essay (200-300 words) on "The Role of Sustainable Practices in Social Welfare", drawing examples from Goonj's work.

SOCIAL STUDIES

A. Make a Project on any of the following: -

1. (Roll number 1 to 10): Make a model on various methods of soil conservation.
2. (Roll number 11 to 20): Prepare a table on the leaders of the revolt of 1857, Collect information and pictures about them and make a collage.
3. (Roll number 21 to 30): Explore the Internet and find out more information about the wildlife in India and their habitat. Make a presentable chart.
4. (Roll number 31 to 40): Make a collage of framing of the Indian constitution. Paste pictures and also list down the fundamental rights and duties mentioned in the Indian Constitution.

B. Protecting our Earth - Flip Book

How to do: Prepare a flip book on the topic protecting our earth of around 10 sheets

Details:

- For the first five sheets of the flip book, prepare 'to do list for the planet Earth' i.e what can be done and needs to be done to make earth a better place to live in (general points)
- Prepare list to save our resources i.e land, soil, water, energy, air, environment, plants, animals.
- For the second half of the flip book ie next five sheets, list all the steps that the student and parents have done or taken initiative (in summer break/ in general) to make earth a better place to live in. (specific steps): Like efforts to switch off the lights whenever not in use. Use of bicycle by student in order to commute to nearby places rather than using car or any other vehicle which produces smoke and hence air pollution.
- Also paste pictures if possible for specific efforts taken in order to make earth a better place to live in.
- Where to do: Use 5 A3 size sheets, divide them in half in order to prepare a flip book (Use colourful sheets). The cover page of the flip book has to be really attractive.

C. Hands-On Activities Roll number wise.

1. (Roll number 1 to 6) **Plant a Seed Bomb:** Mix clay, soil, and seeds to create seed bombs that can be thrown into areas you would like to see some greenery, click your pictures also while throwing. Bring one in the school also.

2. (Roll number 7 to 12) **Create a Vertical Garden:** Design and build a vertical garden using recycled materials like plastic bottles or wooden pallets. Take photos of the vertical garden at different stages, from the initial setup to the finished product and paste in a project file.

Include information about vertical gardening, its benefits, and the chosen plants.

3. (Roll number 13 to 18) **Make a Scarecrow:** Create a scarecrow to protect their crops from birds and other pests.

4. (Roll number 19 to 24) **Agricultural Photography:** Capture photos of different agricultural practices, crops, or farm equipment's and make a collage on an A 3 size sheet beautifully.

5. (Roll number 25 to 30) **Agricultural Storytelling:** Write a short story or poem about farming, agriculture, or the importance of food production.

6. (Roll number 31 to 36) **Visit a Local Farm:** Visit to a local farm, where you can learn about farming practices and interact with farmers about their experiences, challenges and insights, click some pictures and then write a report in a project file and paste the pictures also.

7. (Roll number 37 to 42) **Develop a Sustainable Farm Plan:** Design a sustainable farm plan, considering factors like climate change, soil conservation, and biodiversity.

French

Préparer une affiche sur le thème : "La culture française".(Prepare chart on the topic: "La culture française" (French Culture)).

La affiche doit inclure au moins 5 sous-thèmes de la liste ci-dessous :(The chart must include at least 5 sub-topics from the list below:)

La cuisine française(French cuisine)

Les fêtes et traditions(Festivals and traditions)

Les monuments célèbres(Famous monuments)

La mode française(French fashion)

La musique et l'art(Music and art)

La langue et les expressions(Language and expressions)

Les sports populaires(Popular sports)

Pour chaque sous-thème, écrivez 1 à 2 phrases en français, accompagnées d'images ou de dessins.(For each sub-topic, write 1-2 sentences in French, along with pictures or drawings.)

Utilisez des couleurs, des étiquettes, et une écriture soignée pour rendre le tableau agréable. (Use colors, labels, and neat handwriting to make your chart presentable.)

General Knowledge

Q1. Create a colorful and creative “Bookstore Display” poster featuring one Indian author and one of their famous books. (Topic: Indian Authors)

What to include in your poster:

1. Author’s Name and a picture or drawing of the author.
2. Title of the book and its cover design (draw your own or print it).
3. A short summary of the book in 2–3 lines.
4. Why you recommend this book – what did you enjoy about it?
5. Add creative elements like banners, price tags, “Bestseller!” signs, or book quotes.

Q2. Create your own ‘Did You Know?’ wheel that reveals fun facts by rotating flaps or windows.

Instructions:

Design an interactive “Did You Know?” wheel that rotates to reveal surprising and fun facts.

Steps :

1. Cut out two circles from cardboard or thick paper.
2. On the bottom circle, write 6–8 interesting facts — one in each section (like slices of a pizza).

Example:

“Did you know honey never spoils?”

“A dolphin sleeps with one eye open!”

3. On the top circle, cut out a small window or flap to view one fact at a time.
4. Join both circles at the center with a paper fastener so they spin.
5. Decorate the top circle with the title: “Did You Know?” and add your name.

German

Learning Tasks:

- ☐ Revise Lektion 1 and Lektion 2
- ☐ Learn the vocabulary of both chapters

Activities:

1. Mini German-English Dictionary

Create a small booklet with 25 useful German words.

Include the German word, English meaning, and a drawing or sticker.

Example:

Apfel – Apple (draw an apple)

Haus – House (draw a house)

2. **German Festival Poster**

Make a colorful poster on any one German festival, e.g., Oktoberfest or Weihnachten (Christmas).

Include the following:

Festival Name

When and where it is celebrated

Traditional food, clothes, or activities

Add pictures or draw related items

Mathematics

- (For Roll Nos.-1 to 20) Prepare a GEO BOARD using a square/rectangular card board and thumb pins. Then show all types of QUADRILATERALS using rubber bands. Also cover it with Plastic sheet.
- (For Roll Nos. - 21 onwards) Prepare / make a wall hanging with all types of quadrilaterals using ICE CREAM STICKS. Then write their properties on sheet and paste inside that figure (use colour papers and colour pens). Join all types of quadrilateral to form a wall hanging.
- Complete the Sudoku given on A-4 Size Sheet (Each on Separate A-4 sheet in a beautiful way)
OR
Solve any 5 Sudoku from Your side (FOR ALL STUDENTS)
- Complete the worksheets given of Ch-1 and Ch-2 (Do these worksheets in a separate notebook). (FOR ALL STUDENTS)
- Learn and write squares of numbers 1 - 30.(2 times in that extra notebook) (FOR ALL STUDENTS)

	8	6	9					
5	9		6	2				
7					1			
2	5					7		
	4						3	
		3					9	2
			3					1
				5	8		6	9
					2	5	8	

CLASS : VIII

MATHEMATICS

SQUARES AND SQUARE ROOTS

1. Find the square root of 6400
 2. Is 90 a perfect square
 3. Is 2352 a perfect square? If not find the smallest multiple of 2352 which is a perfect square. Find the square root of the new number.
 4. Find the smallest number by which 9408 must be divided so that the quotient is a perfect square. Find the square root of the quotient.
 5. Without doing any calculation, find the numbers which are surely not perfect square.
i.) 153 ii.) 257 iii.) 408 iv.) 441
 6. Find the square root of the following numbers by the prime factorisation method.
i.) 400 ii.) 9604 iii.) 8100 iv.) 1764 v.) 5929 vi.) 9216
 7. For each of the following numbers, find the smallest whole number by which it should be multiplied so as to get a perfect square. also find the square root of the square number so obtained.
i.) 252 ii.) 2925 iii.) 396 iv.) 2028 v.) 1458 vi.) 768
 8. For each of the following number, find the smallest whole number by which it should be divided so as to get a perfect square. Also find the square root of the square number so obtained.
i.) 252 ii.) 180 iii.) 1008 iv.) 2028 v.) 1458 vi.) 768
 9. The students of class viii of a school donated Rs 2401 in all, for prime minister's national relief fund. each student donated as many rupees as the no: of students in the class. Find the no: of students in the class.
 10. 2118 plants are to be planted in a garden in such a way that each row contains as many plants as the no: of rows. Find the no: of rows and the no: of plants in each row.
-

Rational Numbers

1. Using appropriate properties find:

$$(a) \left[-\frac{2}{3} \times \frac{3}{5} + \frac{5}{2} - \frac{3}{5} \right] =$$

$$(b) \frac{2}{5} \times \left[\frac{-3}{7} + \left(\frac{-1}{6} \right) \right] =$$

2. Write the additive inverse of each of the following :

$$(a) \frac{2}{8} \quad (b) \frac{-5}{9} \quad (c) \frac{-6}{-5} \quad (d) \frac{2}{-9} \quad (e) \frac{19}{-6}$$

3. Verify that $(-x) = x$ for

$$(a) x = \frac{11}{15} \quad (b) x = \frac{-13}{17}$$

4. Find the multiplicative inverse of the following :

$$(a) -13 \quad (b) \frac{-13}{19} \quad (c) \frac{1}{5} \quad (d) \frac{-5}{8} \times \frac{-3}{7} \quad (e) -1 \times \frac{-2}{5} \quad (f) -1$$

5. Name the property under multiplication used in each of the following :

$$(a) \frac{-4}{5} \times 1 = 1 \times \frac{-4}{5}$$

5. Name the property under multiplication used in each of the following:

$$(a) \frac{-4}{5} \times 1 = 1 \times \frac{-4}{5} = \frac{-4}{5} \quad (b) \frac{-13}{17} \times \frac{-2}{7} = \frac{-2}{7} \times \frac{-13}{17}$$

$$(c) \frac{-19}{29} \times \frac{29}{-19} = 1$$

6. Multiply $\frac{6}{13}$ by the reciprocal of $\frac{-7}{16}$

7. Tell what property allows you to compute $\frac{1}{3} \times \left[6 \times \frac{4}{3} \right]$ as $\left[\frac{1}{3} \times 6 \right] \times \frac{4}{3}$

8. Is $\frac{8}{9}$ the multiplicative inverse of $-1 \left[\frac{1}{8} \right]$? Why or why not?

हिंदी

1. हिंदी भाषा और उसकी बोलियों पर एक चार्ट तैयार कीजिए।
2. प्रसिद्ध उपन्यासकार प्रेमचंद की प्रसिद्ध कहानियों का एक कोलाज तैयार कीजिए।
3. सरल एवं स्पष्ट भाषा में कोई चार विज्ञापन A3 साइज़ शीट में लिखें और रंगों का भी प्रयोग करें।
4. आपने गर्मियों की छुट्टियाँ कैसे बिताई, पर एक लेख तैयार कीजिए।
5. कोई पाँच पृष्ठ सुलेख लिखें
6. प्रतिदिन आने वाली मुख्य खबरों की अखबार से कटिंग करे व कॉपी में चिपकाएँ।
7. कक्षा में करवाए गए समस्त कार्य का पुनः अध्ययन करें व लिखकर अभ्यास करें।
8. ग्रीष्मावकाश गृहकार्य करने हेतु अलग कॉपी बनाएँ।

ART AND CRAFT

- Project Title: Tribal Puppets from Waste Materials

Materials Needed (All Recycled or Easily Available)

- i) Wire (for skeleton/structure – old hangers or craft wire)
- ii) Aluminum foil (for shaping the body or head)
- iii) Clay or papier-mâché (for face, hands, feet)
- iv) Old fabric scraps or newspaper (for clothing)
- v) Twine, string, or wool (for hair or decoration)
- vi) Beads, buttons, bottle caps (for accessories)
- vii) Fevicol or glue gun
- viii) Acrylic or poster colors and markers

NOTE : THIS HOLIDAY HOMEWORK INCLUDE PERIODIC ASSESSMENT MARKS



VALUE EDUCATION

Activity 1: Letter to Myself (A4 size sheet))

Write a short letter to your future self, beginning with:

"Dear Me, I want you to remember that you are..."

"Include encouraging and kind words about your strengths.

Sign it with your name and date - keep it safe to read later!

Activity 2 - My Self-Esteem Flower

Draw a big flower with 5 petals. (A4 size sheet)

In each petal, write one quality, talent,

INALITIES

or habit you are proud of (e.g., kind, good at drawing, helpful, etc.).

In the center, write: "I am special because..."

FAIRNESS

Color and decorate the flower.

SCIENCE

1. Do given portfolio Activity - Use A4 size sheet. TOPIC - "Plastic mukt Bharat" (Draw colourful poster). Use your own ideas and thoughts to make it more creative.

2. Paste different types of fabric in a file and write their uses. Write a paragraph on "Plastics are boon or a curse".

3. Do given project work of ch-11 "FORCE AND PRESSURE", Collect pictures showing various application of pressure in daily life.

4. Do worksheet of Ch-3 "SYNTHETIC FIBRES AND PLASTICS" in your classroom notebook given below:

SCIENCE
Ch- 3 : Materials in Daily Life – Synthetic Fibres and Plastics
Class : VIII
Worksheet

Q.1 Match the following:

- | | |
|----------------------------|------------------------|
| (i) Thermoplastic | (a) Ethene |
| (ii) Thermosetting plastic | (b) Rayon |
| (iii) Polyethylene | (c) Peels of vegetable |
| (iv) Artificial silk | (d) Melamine |
| (v) Biodegradable waste | (e) PVC |

Q..2 Multiple choice questions:

(i) The small units that join together to form synthetic fibre are called:

- (a) joints (b) monomer (c) polymer (d) none of these

(ii) Which of the following is also called artificial silk?

- (a) Jute (b) Cotton (c) Rayon (d) Wool

(iii) Plastic coated on the uniform of firemen to make it fire-resistant.

- (a) Teflon (b) Melamine (c) Polyester (d) PVC

(iv) Which of the following is used in non-stick pans?

- (a) Teflon (b) Melamine (c) Polystyrene (d) PVC

(v) The source for all the synthetic polymers like fibres and plastic is:

- (a) petroleum (b) petrol (c) diesel (d) kerosene

Q.3. Answer in one word:

(i) A most commonly used plastic. _____

(ii) A polymer of amide molecules. _____

(iii) A synthetic material which is used for making electrical switches, plugs, etc. _____

(iv) A fibre which is a blend of polyester and cotton. _____

Q. 4. Correct the underlined words and rewrite the given sentences:

(i) Plastics are ecofriendly materials.

(ii) Wild oat and grass are the two edible weeds.

(iii) The rearing of fish on large scale, to get food, is called agriculture.

5. Prepare a detailed report on a visit to a science museum, or create a science themed project like a working model or a poster about a specific scientific topic write about that in your file.

Computer

Do Any 2 Only

1. Research and Write – Emerging Technologies

Write a short note (5–6 lines each) on the following technologies:

- Artificial Intelligence (AI)
- Virtual Reality (VR)
- Internet of Things (IoT)

(Use simple language and try to include real-life examples.)

2. Create a PowerPoint Presentation (5 slides)

Topic: **Cyber Safety and Security**

Include the following points:

- What is cyber safety?
- Importance of strong passwords
- Safe use of social media
- Cyberbullying
- Tips to stay safe online

(Use text, images, and basic slide transitions.)

3. Make a Chart or Collage – Types of Software

Prepare a colorful chart or collage showing **System Software vs Application Software**.

- Mention 2–3 examples of each.
- Use printed pictures or draw icons of the software.